

Division of Health Care Finance and Policy

Hospital Outpatient Observation Case Mix and Charge Data

Interim Fiscal Year 2002

Documentation Manual

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Division of Health Care Finance and Policy
<http://www.mass.gov/dhcfp>

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**Interim Fiscal Year 2002 Hospital
Outpatient Observation Case Mix Data**

Table of Contents

	<u>Page</u>
I. Introduction.....	1
II. Compact Disk (CD) File Specification.....	2
III. Data Standards	3
Definition of Quarterly Reporting Periods.....	3
Data Edits and Error Categories	4
Data Element Field Descriptions and Error Categories.....	5
Outpatient Observation Data Codes	9
Description of Data Levels I – VI	13
IV. Data Verification Process.....	14
Profile Report Distribution Tables	14
Profile Report Error Categories.....	15
V. Cautionary Use Data	17
VI. Calculated Fields.....	18
Age Calculation	18
Observation Sequence Number Calculation	19
Number of Days Between Observation Stays Calculation	20

**Interim Fiscal Year 2002 Hospital
Outpatient Observation Case Mix Data**

Table of Contents

	<u>Page</u>
VII. Appendices.....	21
Appendix A. .DBF File Structure	22
Appendix B. .MDB File Structure	24
Appendix C. .TXT File Structure	26
Appendix D. Outpatient Observation Data Levels I - VI	28
Appendix E. Hospital Addresses and DPH ID Numbers	32
Appendix F. Hospitals Submitting Observation Data for Interim FY2002	39
Appendix G. Hospitals that Do Not See Observation Patients FY2002	40

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

I. Introduction

The Massachusetts Division of Health Care Finance and Policy began collecting Outpatient Observation Data in July 1997. The Division's collection of Outpatient Observation Data was in response to increasing migration of hospital care to the outpatient observation setting from the traditional inpatient setting. Outpatient Observation patients are observed, evaluated, and treated if necessary, before they are safely discharged from the hospital.

The Outpatient Observation Data includes patients who receive outpatient observation services and are not admitted to the hospital. A general definition of Outpatient Observation services is defined for reporting purposes in the Case Mix Regulation 114.1 CMR 17.02 as:

Observation services are those furnished on a hospital's premises which are reasonable and necessary to further evaluate the patient's condition and provide treatment to determine the need for possible admission to the hospital. These services include the use of a bed and periodic monitoring by a hospital's physician, nursing and other staff.

This manual includes information to be used with the Outpatient Observation case mix data as specified in 114.1 CMR 17.08, Outpatient Observation Data Specifications. Information contained in this Interim FY2002 manual includes the data file specifications, standards the Division is using for checking the data, and file structure descriptions. Also included is information on cautionary use data and calculated fields.

Regulations:

Copies of Regulation 114.1 CMR 17.00: ***Requirement for the Submission of Hospital Case Mix and Charge Data*** and Regulation 114.1 CMR 2.00: ***Disclosure of Hospital Case Mix and Charge Data*** may be obtained for a fee by faxing a request to the Division's Public Information Officer at (617) 727-3054. Please note that additional information concerning these regulations may be found at the Division's web site: <http://www.state.ma.us/dhcfp/> .

II. Compact Disk (CD) File Specification

1) Data Formats:

The Division has created the outpatient observation data set in three available formats:

- .DBF
- .MDB
- .TXT

2) File / Table Names:

OA02L#Q1

OA02L#Q2

Where ‘#’ stands for the level of data requested.

3) Interim 2002 Outpatient Observation Record Counts:

For Hospital Year Interim 2002 the number of outpatient observation stays collected from Massachusetts hospitals for Quarters 1 and 2 totaled 62,221. This includes all submissions both accepted and cautionary for observation stays submitted. The distribution by quarter is as follows:

Quarter 1	30,467	(N = 71 Hospitals Reporting)
Quarter 2	31,754	(N = 70 Hospitals Reporting)

4) Data Formats:

For a complete listing of data base structure formats (.DBF, .MDB and .TXT), please refer to the Appendices contained in the back of this manual.

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Definition of Quarterly Reporting Periods

All Massachusetts acute care hospitals are required to file data which describes the case mix of their patients as well as the charges for services provided to their patients in accordance with Regulation 114.1 CMR 17.00. Hospitals report data to the Division on a quarterly basis. These quarterly reporting intervals are as follows:

Quarter 1:	October 1, 2001 - December 31, 2001
Quarter 2:	January 1, 2002 - March 31, 2002
Quarter 3:	April 1, 2002 – June 30, 2002
Quarter 4:	July 1, 2002 – September 30, 2002

Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data

III. Data Standards

Data Edits and Error Categories

Interim Fiscal Year 2002 outpatient observation data was submitted by the hospitals 75 days after each Quarter. The required data elements were then edited using the corresponding edits as specified in *Regulation 114.1 CMR 17.08: Outpatient Observation Data Specifications*.

The quarterly data is edited for compliance with regulatory requirements using a one percent error rate as specified in Regulation 114.1 CMR 17.08. The one percent error rate is based on the presence of type A and type B errors as follows:

Type A: One error per outpatient observation stay causes rejection of discharge.

Type B: Two errors per outpatient observation stay causes rejection of discharge.

If **one percent or more** of the discharges are rejected, then the entire data submission is rejected by the Division, and the hospital is informed that the submission failed the edit process. These edits primarily check for valid codes, correct formatting, and presence of required data elements. Please see listing of data elements categorized by error type, which follows this section.

Each hospital receives a quarterly error report displaying invalid outpatient observation stay information. Quarterly data which does not meet the one percent compliance standard must be resubmitted by the individual hospital until the standard is met.

The Division strives to include data that has passed the one percent compliance standard in the data files we release to the public. When this is not possible, we include data which did not meet the 1% standard (i.e. failed the edits). Submissions which have failed are referred to as **Cautionary Submissions**. Observation stays within submissions that have failed the edit process are assigned a special flag which indicates that the submission failed.

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Data Element Field Descriptions and Error Categories

The following are the required data elements that hospitals must report to the division in accordance with Case Mix Regulation 114.1 CMR 17.00. We have also included additional fields created by the Division. *Newly added this year* is an ED indicator, that went into effect on October 1, 2001. The flag indicates whether the patient was admitted to the outpatient observation stay from the hospital's emergency department.

Each recipient of the outpatient observation data has been granted approval by the Division to receive a certain level of data. Please refer to Section III for a description of Data Levels I – VI and to Section VI, Appendix D to review the specific data elements contained in your data files. Please note that higher levels contain an increasing number of Deniable Data Elements.

In addition to the field names, the data description and error category for each field is listed below.

	Field Name:	Short Description:	Error Category
1	Hos_ID	Hospital DPH number	A
2	MultiSiteN	Hospital's designated number for multiple sites merged under one DPH number	
3	Pt_ID	Unique Health Identification Number	A
4	MR_N	Patient's medical record number	A
5	Acct_N	Hospital billing number for the patient	A
6	MOSS	Mother's social security number for infants up to 1 year old	B
7	MCD_ID	Medicaid Claim Certificate Number	A
8	DOB	Patient date of birth	A
9	Sex	Patient's sex	A
10	Race	Patient's race	B
11	Zip_Code	Patient's zip code	B
12	Ext_Zcode	Patient's 4 digit zip code extension	
13	Beg_Date	Patient's beginning service date	A

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Data Element Field Descriptions and Error Categories

	Field Name:	Short Description:	Error Category
14	End_Date	Patient's ending service date	A
15	Obs_Time	Initial encounter time of day	B
16	Ser_Unit	Unit of service is hours	A
17	Obs_Type	Patient's type of visit status	B
18	Obs_1Srce	Originating referring or transferring source for Observation visit	B
19	Obs_2Srce	Secondary referring or transferring source for Observation visit	B
20	Dep_Stat	Patient's departure status	A
21	Payr_Pri	Patient's primary source of payment	A
22	Payr_Sec	Patient's secondary payment source	A
23	Charges	Total charges for observation rounded up to the nearest dollar	A
24	Surgeon	Patient's surgeon for this visit: Unique Physician Number (UPN), or "DENSG", "PODTR" or "OTHER" Or "MIDWIF"	B
25	Att_MD	Patient's attending physician: Unique Physician Number (UPN), or "DENSG", "PODTR" or "OTHER" Or "MIDWIF"	B
26	Oth_Care	Other caregiver	B
27	PDX	Patient's principal diagnosis: Valid ICD-9-CM code	A
28	Assoc_DX1	Patient's first associated diagnosis: Valid ICD-9-CM code	A

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Data Element Field Descriptions and Error Categories

	Field Name:	Short Description:	Error Category
29	Assoc_DX2	Patient's second associated diagnosis: Valid ICD-9-CM code	A
30	Assoc_DX3	Patient's third associated diagnosis: Valid ICD-9-CM code	A
31	Assoc_DX4	Patient's fourth associated diagnosis: Valid ICD-9-CM code	A
32	Assoc_DX5	Patient's fifth associated diagnosis: Valid ICD-9-CM code	A
33	P_PRO	Patient's Principal Procedure: Valid ICD-9-CM code	A
34	P_PRODATE	Date of patient's Principal Procedure	B
35	Assoc_PRO1	Patient's first associated procedure: Valid ICD-9-CM code	A
36	AssocDATE1	Date of patient's first Associated Procedure	B
37	Assoc_PRO2	Patient's second Associated Procedure: Valid ICD-9-CM code	A
38	AssocDATE2	Date of patient's second associated procedure	B
39	Assoc_PRO3	Patient's third associated procedure: Valid ICD-9-CM code	A
40	AssocDATE3	Date of patient's third associated procedure	B
41	CPT1	Patient's first CPT code	A
42	CPT2	Patient's second CPT code	A
43	CPT3	Patient's third CPT code	A
44	CPT4	Patient's fourth CPT code	A
45	CPT5	Patient's fifth CPT code	A
46	ED_Flag	Character	A

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Data Element Field Descriptions and Error Categories

Additional Fields Created by the Division:

MonthofBeg_Date	Month of Begin Date	NA
YearofBeg_Date	Year of Begin Date	NA
MonthofEnd_Date	Month of End Date	NA
Yearofend_Date	Year of End Date	NA
AgeOfPatient	Patient Age	NA
AgeUnits	Term Patient Age is Based On	NA
ObsSeqNum	Observation Sequence Number	NA
NoofDaysBtwObs	Number of Days Between Observation Stays	NA
SubmissionPassed	Submission Passed Edits Flag	NA

Notes:

- 1) ICD-9-CM Code = International Classification of Diseases, 9th Revision, Clinical Modification
- 2) CPT = Physicians' Current Procedural Terminology Codes

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Outpatient Observation Data Codes

The following are the data codes for the required data elements that hospitals must report to the division in accordance with Case Mix Regulation 114.1 CMR 17.00. We have also included data codes for the additional fields created by the Division. Each recipient for outpatient observation data has been granted approval by the Division to receive a certain level of data. Please refer to Section III for a description of Data Levels I – VI and to Section VI, Appendix D to review the specific data elements contained in your data files. Please note that higher levels contain an increasing number of Deniable Data Elements.

Field Name	Description
Hos_ID	Hospital Department of Public Health number.
Multi_SiteN	Optional field for a hospital's determined number used to distinguish multiple sites that fall under one DPH number.
Pt_ID	Unique Health Identification Number (UHIN).
MR_N	Patient's hospital medical record number.
Acct_N	Hospital's billing number for the patient.
MOSS	Mother's UHIN for infants up to one year old or less.
MCD_ID	Medicaid Claim Certificate Number
DOB	Birth month, day and year.
Sex	1=male 2=female 3=unknown.
Race	1=White 2=Black 3=Asian 4=Hispanic 5=Native American 6=Other 9=Unknown
Zip_Code	Patient's residential 5 digit zip code.
Ext_Zcode	Patient's residential 4 digit zip code extension.
Beg_Date	Month, day and year when service begins.
End_Date	Month, day and year when service ends.
Obs_Time	Initial Observation encounter time. The time the patient became an Observation Stay patient.
Ser_Unit	The amount of time the patient has spent as an Observation Stay patient. The unit of service for Observation Stay is hours.

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Outpatient Observation Data Codes

Field Name	Description
Obs_Type	Observation Visit Status: 1 = Emergency, 2 = Urgent, , 3 = Elective, 4 = Newborn, 5 = Information Not Available.
Obs_1Srce	<p>Originating Observation Visit Source: 1 = Direct Physician Referral, 2 = Within Hospital Clinic Referral, 3 = Direct Health Plan Referral, 4 = Transfer from Acute Care Hospital, 5 = Transfer from SNF, 6 = Transfer from ICF, 7 = Outside Hospital ER Transfer, 8 = Court/Law Enforcement, 9 = Other, 0 = Information Not Available, L = Outside Hospital Clinic Referral, M= Walk-in/Self Referral, R = Inside Hospital ER Transfer, T = Transfer from another Institution's SDS, W = Extramural Birth, Y = Within Hospital SDS Transfer.</p> <p>Example: If a patient is transferred from a SNF to the hospital's Clinic and then becomes an Observation Stay status, the Originating Observation Source would be "5 – Transfer from SNF".</p>
Obs 2 Srce	<p>Secondary Observation Visit Source: 1 = Direct Physician Referral, 2 = Within Hospital Clinic Referral, 3 = Direct Health Plan Referral, 4 = Transfer from Acute Care Hospital, 5 = Transfer from SNF, 6 = Transfer from ICF, 7 = Outside Hospital ER Transfer, 8 = Court/Law Enforcement, 9 = Other, 0 = Information Not Available, L = Outside Hospital Clinic Referral, M= Walk-in/Self Referral, R = Inside Hospital ER Transfer, T = Transfer from another institution's SDS, W = Extramural Birth, Y = Within Hospital SDS Transfer.</p> <p>Example: If a patient is transferred from a SNF to the hospital's Clinic and then becomes an Observation Stay status, the Secondary Observation Source would be "2 – Within Hospital Clinic Transfer".</p>
Dep_Stat	<p>Patient Disposition (Departure Status): 1 = Routine, 2 = Adm to Hospital, 3 = Transferred, 4 = AMA, 5 = Expired.</p>
Payr_Pri	Primary Source of Payment. Refer to the Payer Source description listed in 114.1 CMR 17.06(1)(h).
Payr_Sec	Secondary Source of Payment. Refer to the Payer Source description listed in 114.1 CMR 17.06(1)(h).
Charges	Grand total of all charges associated with the patient's observation stay.

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Outpatient Observation Data Codes

Field Name	Description
Surgeon	Unique Physician Number (UPN), or “DENSG” = Dental Surgeon, “PODTR” = Podiatrist or “OTHER” = for situations where no permanent physician license number is assigned or if a limited license is assigned, or “MIDWIF” = Midwife, Or ----- = Invalid
Att_MD	Unique Physician Number (UPN), or “DENSG” = Dental Surgeon, “PODTR” = Podiatrist or “OTHER” = for situations where no permanent physician license number is assigned or if a limited license is assigned, or “MIDWIF” = Midwife, Or ----- = Invalid
Oth_Care	Other primary caregiver responsible for patient’s care: 1 = Resident, 2 = Intern, 3 = Nurse Practitioner, 4 = Not Used, 5 = Physician Assistant.
PDX	ICD9 Principal Diagnosis excluding decimal point.
Assoc_DX	ICD9 Associated Diagnosis, up to five associated diagnoses excluding the decimal point.
P_PRO	Principal ICD9 Procedure excluding decimal point.
P_PRODATE	Date of patient’s principal procedure.
Assoc_PRO	ICD9 Associated Procedures, up to three associated procedures excluding the decimal point.
AssocDATE	Date(s) of patient’s associated procedures, up to three.
CPT	CPT4, up to five CPT codes.
ED_Flag	Flag to indicate whether patient was admitted to this outpatient observation stay from this facility’s ED.

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Outpatient Observation Data Codes

Additional Fields Created by the Division:

MonthofBeg_Date	1 = January, 2 = February, 3 = March, 4 = April, 5 = May, 6 = June, 7 = July, 8 = August, 9 = September, 10 = October, 11 = November, 12 = December
YearofBeg_Date	4 digit year
MonthofEnd_Date	1 = January, 2 = February, 3 = March, 4 = April, 5 = May, 6 = June, 7 = July, 8 = August, 9 = September, 10 = October, 11 = November, 12 = December
Yearofend_Date	4 digit year
AgeOfPatient	In years if ≥ 1 , in weeks if < 1
AgeUnits	Weeks or Years
ObsSeqNum	Observation Sequence Number
NoofDaysBtwObs	Number of Days Between Observation Stays
SubmissionPassed	-1 = Passed, 0 = Failed

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

III. Data Standards

Description Of Data Levels I – VI

Six Fiscal Year 2002 data levels have been created to correspond to the levels set forth in *Regulation 114.5 CMR 2.00; “Disclosure of Hospital Case Mix and Charge Data”*. Higher levels contain an increasing number of the data elements defined as “Deniable Data Elements” in Regulation 114.5 CMR 2.00. The deniable data elements include: the Unique Health Information number (UHIN which is the encrypted patient social security number), the patient medical record number, hospital billing number, Medicaid claim certificate number (Medicaid Recipient ID number), date of birth, beginning and ending dates of service, the Unique Physician Number (UPN which is the encrypted Massachusetts Board of Registration in Medicine License Number), and procedure dates.

The six levels include:

LEVEL I Contains all case mix data elements, except the deniable data elements.

LEVEL II Contains all Level I data elements, plus the UPN.

LEVEL III Contains all Level I data elements, plus the UHIN, an observation sequence number for each UHIN observation record, and may include the number of days between each subsequent observation stay for each UHIN number.

LEVEL IV Contains all Level I data elements, plus the UPN, the UHIN, an observation sequence number for each UHIN observation record, and may include the number of days between each subsequent observation stay for each UHIN number.

LEVEL V Contains all Level IV data elements, plus the patient’s beginning service date, ending service date and procedure dates.

LEVEL VI Contains all of the deniable data elements except the patient identifier component of the Medicaid recipient ID.

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

IV. Data Verification Process

The Outpatient Observation Data verification process is intended to present hospitals with a profile of their individual data as retained by the Division. The purpose of this project is to function as a quality control measure for hospitals to review the data they have provided to the Division of Health Care Finance and Policy.

Hospitals have an opportunity to review their data each year. The Division produces a Profile Report for the hospital to review, which contains a series of frequency distribution tables covering selected data elements. Examples of these tables include number of observation patients by month, average hours of service, charge summary, and the top diagnoses and procedures. A complete listing of all tables is shown below:

Profile Report Distribution Tables:

• Observation Patient By Month	• Patient Sex Distribution
• Average Hours of Service	• Patient Race Distribution
• Charge Summary	• Top 10 Zip Codes of Patient Origin
• Observation Type Distribution	• Top 10 Primary Diagnoses, Average Charge, and Average Hours of Service
• Originating Referral / Transferring Source	• Top 10 Principal Procedures
• Secondary Referral / Transferring Source	• Top 10 Primary Payors
• Other Primary Caregivers	• Top 10 Second Payors
• Departure Status Summary	• Top 10 CPT Codes
• Patient Age Distribution	

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

IV. Data Verification Process

After reviewing each Profile Report, hospitals are asked to file a response form that provides the Division with verification that the report has been reviewed. The **Profile Report Response Form** provides each hospital with two alternatives for their reply:

Hospital Agrees (also known as an “**A**” **Response**): By checking this category, a hospital indicates its agreement that the data appearing on the Profile Report is accurate and that it represents the hospital’s outpatient observation patient profile.

Hospital Discrepancy (s) Noted (also known as a “**B**” **Response**): By checking this category, a hospital indicates that the data on the report is accurate except for discrepancies noted.

If any discrepancies exist, (i.e. a “B” response), the Division requests that hospitals provide a written explanation of the discrepancies, which will be included in this Outpatient Observation Documentation Manual. A listing of the Profile Profile Report Error Categories is show below:

Profile Report Error Categories:

The discrepancy categories which hospitals may report on the Profile Report Verification Response form are as follows:

• Patients By Month	• Other Primary Caregivers	• Diagnoses
• Hours of Service	• Departure Status	• Procedures
• Charge Summary	• Age	• Primary Payors
• Observation Type Distribution	• Sex	• Secondary Payors
• Originating Refer. / Transfer. Source	• Race	• CPT Codes
• Secondary Refer. / Transfer. Source	• Zip Codes	

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

IV. Data Verification Process

Profile Report Error Categories - *Continued*:

Hospitals are strongly encouraged by the Division to review their Profile Report for inaccuracies and make necessary corrections so that subsequent quarters of data will be accurate.

PLEASE NOTE: Since the hospital data continues to be updated throughout the year, the interim data was not verified. Verification will be done at year-end.

V. Cautionary Use Data

The Outpatient Observation data files contain the most recent active data from each hospital.. Active data includes submissions from hospitals that have “**passed**” the Division’s edits, and also includes submissions that have “**failed**”, as well. Failing the edit process would mean that 1% or more of the observation stays did not pass the edit process. We consider data that did not pass the edit process to be “**cautionary use**” data.

We have included on the each file a field called SubmissionPassed. This field serves as a flag and indicates whether the quarterly submission passed or failed the edit process:

- If a submission passed the edit process, the SubmissionPassed field for all observation stays within that submission are assigned a value of -1.
- If the submission failed the edit process, the SubmissionPassed field for all observation stays within that submission are assigned a value of 0.

VI. Calculated Fields

Age Calculation

Brief Description:

AgeOfPatient is calculated using the DateDiff Function in Access, which subtracts the date of birth (DOB) from the End_Date. Age is calculated to the nearest year (the remainder is dropped) if patient is at least 1 year old. The AgeUnits field is assigned a value of 'YEARS'. Age is calculated to the nearest week (the remainder is dropped) if patient is less than 1 year old. The AgeUnits field is assigned a value of 'WEEKS'.

If the observation did not pass the edits for any reason the age is not calculated and the AgeOfPatient field is set to zero and the AgeUnits field is left blank.

Detailed Description:

1. If the observation passed the edits then the DateDiff function is used to determine the age in weeks of the patient by subtracting the Date of Birth from the End of Service Date.
2. If the age in weeks is greater than 51 then the DateDiff function is used to determine the age in years of the patient by subtracting the Date of Birth from the End of Service Date and the AgeUnits is set to "Years".
3. If the age in weeks is less than or equal to 51 then the DateDiff function is used to determine the age in weeks of the patient by subtracting the Date of Birth from the End of Service Date and the AgeUnits is set to "Weeks".
4. If the observation did not pass the edits then the AgeOfPatient is set to zero and the AgeUnits field is left blank.

VI. Calculated Fields

Observation Sequence Number Calculation

Brief Description:

The file is sorted by PT_ID (Unique Patient ID also known as the UHIN) and End Date. The Observation Sequence Number (ObsSeqNo) is then calculated by incrementing a counter for each of the PT_ID's observation stays.

If the observation did not pass the edits for any reason the Observation Sequence Number is not calculated and the ObsSeqNo field is set to zero.

Detailed Description:

1. The file is sorted by PT_ID (Unique Patient ID also known as the UHIN) and End_Date.
2. The sequence number is calculated by incrementing a counter from 1 to nnn, where a sequence number of 1 indicates the first observation stay for a PT_ID and nnn indicates the last observation stay for the PT_ID.
3. If the observation did not pass the edits then the ObsSeqNo is set to zero.

VI. Calculated Fields

Number of Days Between Observation Stays Calculation

Brief Description:

The file is sorted by PT_ID (Unique Patient ID also known as the UHIN) and End Date. For PT_IDs with 2 or more observation stays the Number of Days Between Observation Stays (NoofDaysBtwObs) is calculated using the DateDiff Function in Access which subtracts the previous observation end date from the current End_Date.

If the observation did not pass the edits for any reason the Number of Days Between Observation Stays is not calculated and the NoofDaysBtwObs field is set to zero.

Detailed Description:

1. The file is sorted by PT_ID (Unique Patient ID also known as the UHIN) and End_Date.
2. If this is the first occurrence of a PT_ID the Number of Days Between Observation Stays is set to zero.
3. If a second occurrence of a PT_ID is found then the Number of Days Between Observation Stays (NoofDaysBtwObs) is calculated by using the DateDiff Function in Access, which subtracts the previous observation end date from the current End_Date.
4. Step 3 is repeated for all subsequent observation stays until the PT_ID changes.
5. If the observation did not pass the edits then the NoofDaysBtwObs is set to zero.

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

VII. Appendices

	<u>Page</u>
Appendix A. .DBF File Structure	22
Appendix B. .MDB File Structure	24
Appendix C. .TXT File Structure.....	26
Appendix D. Outpatient Observation Data Levels I – VI.....	28
Appendix E. Hospital Addresses and DPH ID Numbers.....	32
Appendix F. Hospitals Submitting Observation Data Interim FY2002.....	39
Appendix G. Hospitals that do not see Observation Patients.....	40

Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data

Appendix A

Outpatient Observation .DBF File Structure

Field Name	Type	Width
HOS_ID	Character	4
MULTI_SITE	Character	1
PT_ID	Character	9
MR_N	Character	10
ACCT_N	Character	17
DOB	Character	10
SEX	Character	1
RACE	Character	1
ZIP_CODE	Character	5
BEG_DATE	Date	8
END_DATE	Date	8
OBS_TIME	Character	4
SER_UNIT	Character	6
OBS_TYPE	Character	1
OBS_1SRCE	Character	1
OBS_2SRCE	Character	1
DEP_STAT	Character	1
PAYR_PRI	Character	4
PAYR_SEC	Character	4
CHARGES	Numeric	11
SURGEON	Character	7
ATT_MD	Character	7
OTH_CARE	Character	1
PDX	Character	5
ASSOC_DX1	Character	5
ASSOC_DX2	Character	5
ASSOC_DX3	Character	5
ASSOC_DX4	Character	5
ASSOC_DX5	Character	5
P_PRO	Character	4
P_PRODATE	Date	8
ASSOC_PRO1	Character	4
ASSOCDATE1	Date	8
ASSOC_PRO2	Character	4
ASSOCDATE2	Date	8
ASSOC_PRO3	Character	4

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix A

Outpatient Observation .DBF File Structure

Field Name	Type	Width
ASSOCDATE3	Date	8
CPT1	Character	5
CPT2	Character	5
CPT3	Character	5
CPT4	Character	5
CPT5	Character	5
ED_FLAG	Character	1
MONTHOFBEG	Numeric	6
YEAROFBEG	Numeric	6
MONTHOFEND	Numeric	6
YEAROFEND	Numeric	6
AGEOFFPATIE	Numeric	11
AGEUNITS	Character	254
OBSSEQNO	Numeric	11
NOOFDAYSBT	Numeric	11
<u>SUBMISSION</u>	<u>Logical</u>	<u>1</u>
** Total **		538

*Please note the data fields listed in bold are considered **Deniable Data Elements**. Depending on the level of data purchased, these fields may not be present on the file.

Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data

Appendix B

Outpatient Observation .MDB File Structure

Field Name	Type	Size
Hos_ID	Text	4
Multi_SiteN	Text	1
Pt_ID	Text	9
MR_N	Text	10
Acct_N	Text	17
DOB	Text	10
Sex	Text	1
Race	Text	1
Zip_Code	Text	5
Beg_Date	Date/Time	8
End_Date	Date/Time	8
Obs_Time	Text	4
Ser_Unit	Text	6
Obs_Type	Text	1
Obs_1Srce	Text	1
Obs_2Srce	Text	1
Dep_Stat	Text	1
Payr_Pri	Text	4
Payr_Sec	Text	4
Charges	Number (Long)	4
Surgeon	Text	7
Att_MD	Text	7
Oth_Care	Text	1
PDX	Text	5
Assoc_DX1	Text	5
Assoc_DX2	Text	5
Assoc_DX3	Text	5
Assoc_DX4	Text	5
Assoc_DX5	Text	5
P_PRO	Text	4
P_PRODATE	Date/Time	8
Assoc_Pro1	Text	4
AssocDate1	Date/Time	8
Assoc_Pro2	Text	4
AssocDate2	Date/Time	8
Assoc_Pro3	Text	4
AssocDate3	Date/Time	8

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix B

Outpatient Observation .MDB File Structure

Field Name	Type	Size
CPT1	Text	5
CPT2	Text	5
CPT3	Text	5
CPT4	Text	5
CPT5	Text	5
ED_Flag	Text	1
MonthofBeg_Date	Number (Integer)	2
YearofBeg_Date	Number (Integer)	2
MonthofEnd_Date	Number (Integer)	2
YearofEnd_Date	Number (Integer)	2
AgeOfPatient	Number (Long)	4
AgeUnits	Text	255
ObsSeqNo	Number (Long)	4
NoofDaysBtwObs	Number (Long)	4
SubmissionPassed	Yes/No	1

*Please note the data fields listed in bold are considered **Deniable Data Elements**. Depending on the level of data purchased, these fields may not be present on the file.

Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data

Appendix C

Outpatient Observation .TXT File Structure

Field Name
Hos_ID
Multi_SiteN
Pt_ID
MR_N
Acct_N
DOB
Sex
Race
Zip_Code
Beg_Date
End_Date
Obs_Time
Ser_Unit
Obs_Type
Obs_1Srce
Obs_2Srce
Dep_Stat
Payr_Pri
Payr_Sec
Charges
Surgeon
Att_MD
Oth_Care
PDX
Assoc_DX1
Assoc_DX2
Assoc_DX3
Assoc_DX4
Assoc_DX5
P_PRO
P_PRODATE
Assoc_Pro1
AssocDate1
Assoc_Pro2
AssocDate2
Assoc_Pro3

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix C

Outpatient Observation .TXT File Structure

Name
AssocDate3
CPT1
CPT2
CPT3
CPT4
CPT5
ED Flag
MonthofBeg Date
YearofBeg Date
MonthofEnd Date
YearofEnd Date
AgeOfPatient
AgeUnits
ObsSeqNo
NoofDaysBtwObs
SubmissionPassed

*Please note the data fields listed in bold are considered **Deniable Data Elements**. Depending on the level of data purchased, these fields may not be present on the file.

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix D

Outpatient Observation Data Levels I – VI

Field Name	Field Description	Deniable Data Elements	Level I	Level II	Level III	Level IV	Level V	Level VI
Hos_ID	Hospital DPH Number		X	X	X	X	X	X
Multi_SiteN	Hosp's Designated Multiple Site #		X	X	X	X	X	X
Pt_ID	Unique Health Information Number (UHIN)	D			D	D	D	D
MR_N	Patient's Medical Record Number	D						D
Acct_N	Hospital Billing Number	D						D
DOB	Date of Birth	D						D
Sex	Sex		X	X	X	X	X	X
Race	Race		X	X	X	X	X	X
Zip_Code	Zip Code		X	X	X	X	X	X
Beg_Date	Patient's Beginning Service Date	D					D	D
End_Date	Patient's Ending Service Date	D					D	D
Obs_Time	Initial Encounter Time of Day		X	X	X	X	X	X
Ser_Unit	Unit of Service in Hours (= Length of Stay)		X	X	X	X	X	X

Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data
Appendix D

Outpatient Observation Data Levels I – VI

Field Name	Field Description	Deniable Data Elements	Level I	Level II	Level III	Level IV	Level V	Level VI
Obs_Type	Type of Visit Status		X	X	X	X	X	X
Obs_1Srce	Originating Referring or Transferring Source		X	X	X	X	X	X
Obs_2Srce	Secondary Referring or Transferring Source		X	X	X	X	X	X
Dep_Stat	Departure Status		X	X	X	X	X	X
Payr_Pri	Primary Source of Payment		X	X	X	X	X	X
Payr_Sec	Secondary Source of Payment		X	X	X	X	X	X
Charges	Charges		X	X	X	X	X	X
Surgeon	Surgeon for this visit (will be UPN)	D		D		D	D	D
Att_MD	Attending Physician (will be UPN)	D		D		D	D	D
Oth_Care	Other caregiver		X	X	X	X	X	X
PDX	Principle Diagnosis		X	X	X	X	X	X
Assoc_DX1	Patient's First Associated Diagnosis		X	X	X	X	X	X
Assoc_DX2	Patient's Second Associated Diagnosis		X	X	X	X	X	X
Assoc_DX3	Patient's Third Associated Diagnosis		X	X	X	X	X	X
Assoc_DX4	Patient's Fourth Associated Diagnosis		X	X	X	X	X	X
Assoc_DX5	Patient's Fifth Associated Diagnosis		X	X	X	X	X	X

Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data
Appendix D

Outpatient Observation Data Levels I – VI

Field Name	Field Description	Deniable Data Elements	Level I	Level II	Level III	Level IV	Level V	Level VI
Assoc_Pro3	Third Associated Procedure		X	X	X	X	X	X
P_PRO	Principle Procedure		X	X	X	X	X	X
P_PRODATE	Date of Principle Procedure	D					D	D
Assoc_Pro1	First Associated Procedure		X	X	X	X	X	X
Assoc_Date1	Date of First Associated Procedure	D					D	D
Assoc_Pro2	Second Associated Procedure		X	X	X	X	X	X
Assoc_Date2	Date of Second Associated Procedure	D					D	D
Assoc_Date3	Date of Third Associated Procedure	D					D	D
CPT1	First CPT Code		X	X	X	X	X	X
CPT2	Second CPT Code		X	X	X	X	X	X
CPT3	Third CPT Code		X	X	X	X	X	X
CPT4	Fourth CPT Code		X	X	X	X	X	X
CPT5	Fifth CPT Code		X	X	X	X	X	X
ED Flag	Flag to indicate whether patient was admitted to stay from this facility's ED.		X	X	X	X	X	X
MonthofBeg_Date	Month of Begin Date		X	X	X	X	X	X
YearofBeg_Date	Year of Begin Date		X	X	X	X	X	X
MonthofEnd_Date	Month of End Date		X	X	X	X	X	X
YearofEnd_Date	Year of End Date		X	X	X	X	X	X
AgeOfPatient	Patient Age		X	X	X	X	X	X

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix D

Outpatient Observation Data Levels I – VI

Field Name	Field Description	Deniable Data Elements	Level I	Level II	Level III	Level IV	Level V	Level VI
AgeUnits	Term Patient Age is Based On		X	X	X	X	X	X
ObsSeqNo	Observation sequence number ordering each consecutive UHIN observation record				X	X	X	X
NoofDaysBtwObs	Number of days between each subsequent observation stay for that UHIN number				X	X	X	X

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix E

Hospital Addresses and DPH ID Numbers

<p>Anna Jaques Hospital 25 Highland Avenue Newburyport, MA 01950 DPH ID #: 2006 Organization ID #: 1</p>	<p>Athol Memorial Hospital 2033 Main Street Athol, MA 01331 DPH ID #: 2226 Organization ID #: 2</p>
<p>Baystate Medical Center 3601 Main Street Springfield, MA 01107-1116 DPH ID #: 2339 Organization ID #: 4</p>	<p>Berkshire Health Systems, Inc. Berkshire Medical Center Campus 725 North Street Pittsfield, MA 01201 DPH ID #: 2313 Organization ID #: 7</p>
<p>Berkshire Health Systems, Inc. Hillcrest Hospital Campus 165 Tor Court Road Pittsfield, MA 01201 DPH ID #: 2231 Organization ID #: 9</p>	<p>Beth Israel Deaconess Medical Center 330 Brookline Avenue Boston, MA 02215 DPH ID #: 2069 Organization ID #: 10</p>
<p>Beth Israel Deaconess Medical Center – Needham 148 Chestnut Street Needham, MA 02192 DPH ID #: 2054 Organization ID #: 53</p>	<p>Boston Medical Center – Harrison Ave. Campus 88 East Newton Street Boston, MA 02118 DPH ID #: 2307 Organization ID #: 16</p>
<p>Brigham & Women's Hospital 75 Francis Street Boston, MA 02115 DPH ID #: 2921 Organization ID #: 22</p>	<p>Brockton Hospital 680 Centre Street Brockton, MA 02402 DPH ID #: 2118 Organization ID #: 25</p>
<p>Cambridge Health Alliance Cambridge & Somerville 65 Beacon Street Somerville, MA 02143 DPH ID #: 2108 Organization ID #: 27</p>	<p>Cape Cod Hospital 27 Park Street Hyannis, MA 02601 DPH ID #: 2135 Organization ID #: 39</p>

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix E

Hospital Addresses and DPH ID Numbers

<p>Caritas Good Samaritan Medical Center 235 North Pearl Street Brockton, MA 02301 DPH ID #: 2101 Organization ID #: 62</p>	<p>Caritas Norcap Lodge of Caritas Good Samaritan 71 Walnut Avenue Foxboro, MA 02035 DPH ID #: 2KGH Organization ID #: 4460</p>
<p>Caritas Norwood Hospital 800 Washington Street Norwood, MA 02062 DPH ID #: 2114 Organization ID #: 41</p>	<p>Carney Hospital 2100 Dorchester Avenue Dorchester, MA 02124 DPH ID #: 2003 Organization ID #: 42</p>
<p>Children's Hospital 300 Longwood Avenue Boston, MA 02115 DPH ID #: 2139 Organization ID #: 46</p>	<p>Clinton Hospital 201 Highland Street Clinton, MA 01510 DPH ID #: 2126 Organization ID #: 132</p>
<p>Cooley Dickinson Hospital 30 Locust Street Northampton, MA 01060-5001 DPH ID #: 2155 Organization ID #: 50</p>	<p>Dana Farber Cancer Institute 44 Binney Street Boston, MA 02115 DPH ID #: 2335 Organization ID #: 51</p>
<p>Deaconess-Nashoba Hospital 200 Groton Road Ayer, MA 01432 DPH ID #: 2298 Organization ID #: 52</p>	<p>Emerson Hospital Route 2 Concord, MA 01742 DPH ID #: 2018 Organization ID #: 57</p>
<p>Fairview Hospital 29 Lewis Avenue Great Barrington, MA. 01230 DPH ID #: 2052 Organization ID #: 8</p>	<p>Falmouth Hospital 100 Ter Heun Drive Falmouth, MA 02540 DPH ID #: 2289 Organization ID #: 40</p>

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix E

Hospital Addresses and DPH ID Numbers

Faulkner Hospital 1153 Centre Street Jamaica Plain, MA 02130 DPH ID #: 2048 Organization ID #: 59	Franklin Medical Center 164 High Street Greenfield, MA 01301 DPH ID #: 2120 Organization ID #: 5
Hallmark Health Care – Lawrence Memorial Hospital Campus 170 Governors Avenue Medford, MA 02155 DPH ID #: 2038 Organization ID #: 66	Hallmark Health Care – Melrose-Wakefield Hospital Campus 585 Lebanon Street Melrose, MA 02176 DPH ID #: 2058 Organization ID #: 141
Harrington Memorial Hospital 100 South Street Southbridge, MA 01550 DPH ID #: 2143 Organization ID #: 68	Health Alliance Hospitals, Inc. 60 Hospital Road Leominster, MA 01453-8004 DPH ID #: 2034 Organization ID #: 71
Heywood Hospital 242 Green Street Gardner, MA 01440 DPH ID #: 2036 Organization ID #: 73	Holy Family Hospital 70 East Street Methuen, MA 01844 DPH ID #: 2225 Organization ID #: 75
Holyoke Hospital 575 Beech Street Holyoke, MA 01040 DPH ID #: 2145 Organization ID #: 77	Hubbard Regional Hospital 340 Thompson Road Webster, MA 01570 DPH ID #: 2157 Organization ID #: 78
Jordan Hospital 275 Sandwich Street Plymouth, MA 02360 DPH ID #: 2082 Organization ID #: 79	Kindred Hospital – Boston 1515 Commonwealth Avenue Brighton, MA 02135 DPH ID #: 2091 Organization ID #: 136

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix E

Hospital Addresses and DPH ID Numbers

Kindred Hospital – North Shore 15 King Street Peabody, MA 01960 DPH ID #: 2171 Organization ID #: 135	Lahey Clinic 41 Mall Road Burlington, MA 01805 DPH ID #: 2033 Organization ID #: 81
Lawrence General Hospital One General Street Lawrence, MA 01842-0389 DPH ID #: 2099 Organization ID #: 83	Lowell General Hospital 295 Varnum Avenue Lowell, MA 01854 DPH ID #: 2040 Organization ID #: 85
Martha's Vineyard Hospital Linton Lane Oak Bluffs, MA 02557 DPH ID #: 2042 Organization ID #: 88	Mary Lane Hospital 85 South Street Ware, MA 01082 DPH ID #: 2148 Organization ID #: 6
Massachusetts General Hospital 55 Fruit Street Boston, MA 02114 DPH ID #: 2168 Organization ID #: 91	Massachusetts Eye and Ear Infirmary 243 Charles Street Boston, MA 02114-3096 DPH ID #: 2167 Organization ID #: 89
Mercy Hospital 271 Carew Street Springfield, MA 01102 DPH ID #: 2149 Organization ID #: 119	Merrimack Valley Hospital 140 Lincoln Avenue Haverhill, MA 01830-6798 DPH ID #: 2131 Organization ID #: 70
MetroWest Medical Center Leonard Morse Campus 67 Union Street Natick, MA. 01760 DPH ID #: 2039 Organization ID #: 457	MetroWest Medical Center Framingham Hospital Campus 115 Lincoln Street Framingham, MA. 01701 DPH ID #: 2020 Organization ID #: 49

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix E

Hospital Addresses and DPH ID Numbers

Milford-Whitinsville Regional Hospital 14 Prospect Street Milford, MA 01757 DPH ID #: 2105 Organization ID #: 97	Milton Hospital 92 Highland Street Milton, MA 02186 DPH ID #: 2227 Organization ID #: 98
Morton Hospital and Medical Center 88 Washington Street Taunton, MA 02780 DPH ID #: 2022 Organization ID #: 99	Mount Auburn Hospital 330 Mt. Auburn Street Cambridge, MA 02238 DPH ID #: 2071 Organization ID #: 100
Nantucket Cottage Hospital 57 Prospect Street Nantucket, MA 02554 DPH ID #: 2044 Organization ID #: 101	New England Baptist Hospital 125 Parker Hill Avenue Boston, MA 02120 DPH ID #: 2059 Organization ID #: 103
New England Medical Center 750 Washington Street Boston, MA 02111 DPH ID #: 2299 Organization ID #: 104	Newton-Wellesley Hospital 2014 Washington Street Newton, MA 02162 DPH ID #: 2075 Organization ID #: 105
Noble Hospital 115 West Silver Street Westfield, MA 01086 DPH ID #: 2076 Organization ID #: 106	North Adams Regional Hospital Hospital Avenue North Adams, MA 01247 DPH ID #: 2061 Organization ID #: 107
North Shore Medical Center - Salem 81 Highland Avenue Salem, MA. 01970 DPH ID #: 2014 Organization ID #: 116	North Shore Medical Center – Union 500 Lynnfield Street Lynn, MA 01904-1424 DPH ID #: 2073 Organization ID #: 3

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix E

Hospital Addresses and DPH ID Numbers

Northeast Health Systems – Addison Gilbert Campus 298 Washington Street Gloucester, MA 01930 DPH ID #: 2016 Organization ID #: 109	Northeast Health Systems – Beverly Campus 85 Herrick Street Beverly, MA 01915 DPH ID #: 2007 Organization ID #: 110
Providence Hospital 1233 Main Street Holyoke, MA 01040 DPH ID #: 2150 Organization ID #: 118	Quincy Hospital 114 Whitwell Street Quincy, MA 02169 DPH ID #: 2151 Organization ID #: 112
Saints Memorial Medical Center One Hospital Drive Lowell, MA 01852 DPH ID #: 2063 Organization ID #: 115	Southcoast Health Systems – Charlton Memorial Hospital 363 Highland Avenue Fall River, MA 02720 DPH ID #: 2337 Organization ID #: 123
Southcoast Health Systems – St. Luke's Hospital 101 Page Street New Bedford, MA 02740 DPH ID #: 2010 Organization ID #: 124	Southcoast Health Systems - Tobey Hospital 43 High Street Wareham, MA 02571 DPH ID #: 2106 Organization ID #: 145
St. Anne's Hospital 795 Middle Street Fall River, MA 02721 DPH ID #: 2011 Organization ID #: 114	St. Elizabeth's Medical Center 736 Cambridge Street Brighton, MA 02135 DPH ID #: 2085 Organization ID #: 126
Saint Vincent Hospital 25 Winthrop Street Worcester, MA 01604 DPH ID #: 2128 Organization ID #: 127	South Shore Hospital 55 Fogg Road South Weymouth, MA 02190 DPH ID #: 2107 Organization ID #: 122

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix E

Hospital Addresses and DPH ID Numbers

Sturdy Memorial Hospital 211 Park Street Attleboro, MA 02703 DPH ID #: 2100 Organization ID #: 129	University of Massachusetts Memorial Health Care - Marlborough Hospital 57 Union Street Marlborough, MA 01752-9981 DPH ID #: 2103 Organization ID #: 133
University of Massachusetts Memorial Health Care - Memorial Medical Center 120 Front Street Worcester, MA 01608 DPH ID #: 2841 Organization ID #: 131	Waltham Hospital Hope Avenue Waltham, MA 02254 DPH ID #: 2067 Organization ID #: 54
Winchester Hospital 500 Salem Street Wilmington, MA 01887 DPH ID #: 2094 Organization ID #: 138	Wing Memorial Hospital 40 Wright Street Palmer, MA 01069-1187 DPH ID #: 2181 Organization ID #: 139

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix F

Hospitals Submitting Observation Data for Interim FY2002

Anna Jaques Hospital	Mercy Hospital
Athol Memorial Hospital	Merrimack Valley Hospital
Baystate Medical Center	MetroWest Medical Center - Framingham
Berkshire Health Systems – Berkshire Medical Center	MetroWest Medical Center – Leonard Morse
Beth Israel Deaconess	Milford-Whitinsville Regional Hospital
Beth Israel Deaconess – Needham Campus	Milton Hospital
Boston Medical Center – Harrison Avenue Campus	Morton Hospital
Brigham & Women’s Hospital	Mount Auburn Hospital
Brockton Hospital	Nantucket Cottage Hospital
Cambridge Health Alliance – Cambridge & Somerville	New England Baptist Hospital
Cape Cod Hospital	New England Medical Center
Caritas Good Samaritan Medical Center	Newton-Wellesley Hospital
Caritas Norwood Hospital	Noble Hospital
Carney Hospital	North Adams Regional Hospital
Children’s Hospital	North Shore Medical Center - Salem Hospital
Clinton Hospital	North Shore Medical Center – Union Hospital
Cooley Dickinson Hospital	Northeast Health Systems – Addison Gilbert
Dana Farber Cancer Center	Northeast Health Systems – Beverly Hospital
Deaconess-Nashoba Hospital	Quincy Hospital
Emerson Hospital	Saints Memorial Medical Center
Fairview Hospital	South Shore Hospital
Falmouth Hospital	Southcoast Health Systems – Charlton Memorial
Faulkner Hospital	Southcoast Health Systems – St. Luke’s
Franklin Medical Center	Southcoast Health Systems – Tobey
Hallmark Health Systems – Lawrence Memorial	St. Anne’s Hospital
Hallmark Health Systems – Melrose	St. Elizabeth’s Medical Center
Harrington Memorial Hospital	Saint Vincent Hospital
HealthAlliance Hospitals, Inc.	Sturdy Memorial Hospital
Heywood Hospital	UMass. Memorial - Marlborough Hospital
Holy Family Hospital	UMass. Memorial Medical Center – UMass. Campus
Holyoke Hospital	Waltham Hospital
Hubbard Regional Hospital	Winchester Hospital
Jordan Hospital	Wing Memorial Hospital
Lahey Clinic Hospital	
Lawrence General Hospital	
Lowell General Hospital	
Martha’s Vineyard Hospital	
Mary Lane Hospital	
Massachusetts General Hospital	
Massachusetts Eye & Ear Infirmary	

**Interim Fiscal Year 2002 Hospital Outpatient Observation
Case Mix & Charge Data**

Appendix G

Hospitals that Do Not See Observation Patients – Interim FY2002

Hospital Name	Comments
Berkshire Health Systems – Hillcrest Campus	Does not see observation patients
Vencor – Boston	Does not see observation patients
Vencor – North Shore	Does not see observation patients